

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. **(Withdrawn)** A method for preparing a biologically active composite material comprising:

- absorbing an infiltrant into at least one porous, biocompatible material; and
- maintaining the infiltrant and the porous material in contact under conditions effective to achieve at least partial coagulation of the infiltrant to form a self-supporting body.

2. **(Withdrawn)** The method of claim 1 wherein said porous, biocompatible material has a pore volume of at least about 30%.

3. **(Withdrawn)** The method of claim 1 wherein said porous, biocompatible material has a pore volume of at least about 70%.

4. **(Withdrawn)** The method of claim 1 wherein said porous, biocompatible material has a pore volume of at least about 85%.

5. **(Withdrawn)** The method of claim 1 wherein said porous, biocompatible material has a pore volume of at least about 88%.

6. **(Withdrawn)** The method of claim 5 wherein the porous, biocompatible material has a pore volume more of at least about 90%.

7. **(Withdrawn)** The method of claim 1 wherein the porous, biocompatible material comprises a synthetic bone mineral.

8. **(Withdrawn)** The method of claim 1 wherein the porous, biocompatible material comprises a ceramic material.

9. **(Withdrawn)** The method of claim 1 wherein the porous, biocompatible material comprises a calcium phosphate material.

10. **(Withdrawn)** The method of claim 1 wherein the porous, biocompatible material comprises tri-calcium phosphate material.

11. **(Withdrawn)** The method of claim 10 wherein the tri-calcium phosphate material is beta-tri-calcium phosphate.

12. **(Withdrawn)** The method of claim 1 wherein the porous material is resorbable.

13. **(Withdrawn)** The method of claim 1 wherein the at least one porous, biocompatible material is comprised of a resorbable beta-tri-calcium phosphate with interconnected micro-, meso- and macro-pores that render said at least one porous, biocompatible material at least about 90% porous.

14. **(Withdrawn)** The method of claim 1 wherein said absorbing step comprises aspirating therapeutic material onto the porous material.

15. **(Withdrawn)** The method of claim 14 wherein said aspirating step comprises drawing bone marrow into a body of a syringe at least partially containing the porous material.

16. **(Withdrawn)** The method of claim 1 wherein the maintaining step takes place within a syringe, further comprises extruding self-supporting body.

17. **(Withdrawn)** The method of claim 1 further comprising manipulating the self-supporting body.

18. **(Withdrawn)** The method of claim 1 further comprising adding a healing composition to the self-supporting body or to the porous material.

19. **(Withdrawn)** The method of claim 18 wherein the healing composition is a medicament.

20. **(Withdrawn)** The method of claim 1 wherein said infiltrant consists of bone marrow aspirate.

21. **(Withdrawn)** The method of claim 1 wherein said infiltrant comprises venous blood.

22. **(Withdrawn)** The method of claim 1 wherein said infiltrant comprises thrombin.

23. **(Withdrawn)** The method of claim 1 wherein said infiltrant comprises proteins, cells, growth factors or growth hormones that elicit bone formation or reparation.

24. **(Previously Presented)** A method for restoring an osseous void comprising placing in said void at least a portion of a self-supporting body comprising partially coagulated infiltrant in admixture with a porous, biocompatible material.

25. **(Previously Presented)** The method of claim 24 wherein said portion is shaped to fit said void.

26. **(Previously Presented)** The method of claim 24 wherein placement is effected using a syringe.

27. **(Previously Presented)** The method of claim 24 wherein placement is effected using a tube.

28. **(Previously Presented)** The method of claim 24 wherein placement is effected using an insertion guide.

29. **(Previously Presented)** The method of claim 24 wherein placement is effected using a catheter.

30. **(Previously Presented)** The method of claim 24 wherein placement is effected using a shaped mold.

31. **(Previously Presented)** The method of claim 24 wherein the infiltrant comprises bone marrow aspirate.

32. **(Previously Presented)** The method of claim 24 wherein the infiltrant comprises replicated bone marrow.

33. **(Previously Presented)** The method of claim 24 wherein said infiltrant comprises bone marrow aspirate, proteins, cells, a medicament, growth factors, or growth hormone or antibiotic that would elicit bone formation or reparation.

34. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material comprises a synthetic bone mineral.

35. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material comprises a ceramic material.

36. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material comprises a calcium phosphate material.

37. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material comprises tri-calcium phosphate material.

38. **(Previously Presented)** The method of claim 24 wherein the tri-calcium phosphate material is beta-tri-calcium phosphate.

39. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material is resorbable.

40. **(Previously Presented)** The method of claim 24 wherein the infiltrant comprises venous blood.

41. **(Previously Presented)** The method of claim 24 wherein the infiltrant comprises thrombin.

42. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material has a pore volume of at least about 30%

43. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material has a pore volume of at least about 70%.

44. **(Previously Presented)** The method of claim 24 wherein the porous, biocompatible material has a pore volume of at least about 85%.

45. **(Previously Presented)** The method of claim 24 wherein said porous, biocompatible material has a pore volume of at least about 88%.

46. **(Previously Presented)** The method of claim 45 wherein the porous, biocompatible material has a pore volume more of at least about 90%.

47. **(Previously Presented)** The method of claim 24 wherein the at least one porous, biocompatible material is comprised of a resorbable beta-tri-calcium phosphate with interconnected micro-, meso- and macro-pores that render said at least one porous, biocompatible material at least about 90% porous.

48. **(Currently Amended)** A method for restoring an intraosseous void comprising:

- preparing said void;
- providing an aspirating means having porous material therein;
- aspirating bone marrow from an animal using said aspirating means;
- allowing ~~BMA~~ bone marrow aspirate to mix with said porous material, thereby producing a composite of said aspirate and said porous material;
- allowing said aspirate to at least partially coagulate;
- removing the said composite from the aspirating means; and
- placing at least a portion of said composite into said void.

49. **(Previously Presented)** The method of claim 48 wherein said composite is shaped to fit said void prior to insertion into said void.

50. **(Previously Presented)** The method of claim 48 wherein said aspirating means is a syringe.

51. **(Previously Presented)** The method of claim 50 wherein resultant composite is delivered into said void by syringe.

52. **(Previously Presented)** The method of claim 48 wherein the aspirate is allowed to coagulate for at least five minutes.

53. **(Previously Presented)** The method of claim 48 further comprising preserving any remaining resultant composite for later use.

54. **(Previously Presented)** The method of claim 48 wherein preservation is by freezing.

55. **(Previously Presented)** The method of claim 48 wherein the porous material is comprised of a resorbable beta-tri-calcium phosphate with interconnected micro, meso and macro pores that render said porous biocompatible material at least about 90% porous.

56. **(Withdrawn)** A biologically active composite comprising a porous, biocompatible material and infiltrant.

57. **(Withdrawn)** The biologically active composite of claim 56 wherein the infiltrant comprises bone marrow aspirate.

58. **(Withdrawn)** The biologically active composite of claim 56 wherein the infiltrant comprises venous blood.

59. **(Withdrawn)** The biologically active composite of claim 56 wherein the infiltrant comprises thrombin.

60. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous material has pores with a diameter up to about 100 μm .

61. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous, biocompatible material has a pore volume of at least about 70%.

62. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous, biocompatible material has a pore volume preferably of at least about 85%.

63. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous material has a pore volume preferably of at least about 88%.

64. **(Withdrawn)** The biologically active composite of claim 63 wherein the porous material has a pore volume more preferably of at least about 90%.

65. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous material comprises a synthetic bone mineral.

66. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous material comprises a ceramic material.

67. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous material comprises a calcium phosphate material.

68. **(Withdrawn)** The biologically active composite of claim 56 wherein the porous material comprises tri-calcium phosphate material.

69. **(Withdrawn)** The biologically active composite of claim 68 wherein the tri-calcium phosphate material is resorbable beta-tri-calcium phosphate.

70. **(Withdrawn)** The biologically active composite of claim 56 wherein the at least one porous, biocompatible material is comprised of a resorbable beta-tri-calcium phosphate with interconnected micro-, meso- and macro-pores that render said at least one porous, biocompatible material at least about 90% porous.

71. **(Withdrawn)** The biologically active composite of claim 56 wherein the infiltrant comprises proteins, cells, a medicament, antibiotic, growth factor, or growth hormone that would elicit bone formation or reparation.

72. **(Withdrawn)** A kit for preparation and delivery of biologically active composites comprising:

- an instrument for the injection and the withdrawal of one or more fluids; and
- a porous, biocompatible material.

73. **(Withdrawn)** The kit of claim 72 wherein the instrument for said injection and said withdrawal of said fluids is a syringe.

74. **(Withdrawn)** The kit of claim 72 further comprising a second syringe.

75. **(Withdrawn)** The kit of claim 72 wherein a pre-evacuated tube is the instrument for said withdrawal of said fluids.

76. **(Withdrawn)** The kit of claim 72 wherein the porous, biocompatible material is comprised of a resorbable beta-tri-calcium phosphate with interconnected micro-, meso- and macro-pores that render said at least one porous, biocompatible material at least about 90% porous.

77. **(Withdrawn)** The kit of claim 72 wherein said porous, biocompatible material is in morsel form.

78. **(Withdrawn)** The kit of claim 72 wherein said porous, biocompatible material is in block form.

79. **(Withdrawn)** The kit of claim 72 further comprising a cutting instrument.

80. **(Withdrawn)** The kit of claim 72 further comprising a spatula.